



INDUSTRIAL TECHNOLOGIES PROGRAM FOREST PRODUCTS PEER REVIEW

APRIL 5-6, 2006 • RENAISSANCE WAVERLY HOTEL • ATLANTA, GEORGIA

AGENDA

WEDNESDAY - APRIL 5, 2006

- 7:30 AM Registration Begins/Continental Breakfast
8:30 AM OPENING PLENARY SESSION
9:30 AM Break

CONCURRENT SESSIONS

PANEL 1

PANEL 2

- | | | |
|----------------|--|---|
| 9:45 AM | Steam Cycle Washer for Unbleached Pulp
■ <i>Reijo Salminen, 21st Century Pulp & Paper, LLC</i> | Fibrous Fillers to Manufacture Ultra High Ash/Performance Paper
■ <i>Vijay K. Mathur, G.R. International, Inc.</i> |
| 10:30 AM | Increasing Yield and Quality of Low-Temperature, Low-Alkali Kraft Cooks with Microwave Pretreatment
■ <i>A.L. Compere, Oak Ridge National Laboratory</i> | VOC and HAP Recovery Using Ionic Liquids
■ <i>Michael Milota, Oregon State University</i> |
| 11:15 AM | Laser Ultrasonics Web Stiffness Sensor
■ <i>Emmanuel Lafond and Gary Baum, Institute of Paper Science and Technology</i> | Development of Renewable Microbial Polyesters for Cost Effective and Energy-Efficient Wood-Plastic Composites
■ <i>David Thompson and Sigurd Sorensen, Idaho National Laboratory</i>
■ <i>Michael Wolcott, Washington State University</i>
■ <i>James Flanders, NewPage Corp.</i> |
| 12:00 PM | Lunch Break – On Your Own | |
| 1:15 PM | Improved Recovery Boiler Performance Through Control of Combustion, Sulfur, and Alkali Chemistry
■ <i>Larry Baxter, Brigham Young University</i> | Development of Screenable Wax Coatings and Water-Based Pressure Sensitive Adhesives
■ <i>Steven Severtson, University of Minnesota</i> |
| 2:00 PM | Hemicellulose Extraction and Its Integration
■ <i>Adriaan van Heiningen, University of Maine</i> | Novel Isocyanate Reactive Adhesives for Structural Wood-Based Composites
■ <i>Christian Heinemann, Virginia Polytechnic Institute and State University</i> |
| 2:45 PM | Break/Poster Set-Up Time | |
| 5:00 – 7:00 PM | Poster Session
Reception Cash Bar | |



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THURSDAY - APRIL 6, 2006

8:00 AM Continental Breakfast

CONCURRENT SESSIONS

PANEL 1

PANEL 2

8:30 AM	Development and Full-Scale Demonstration of Multiport Dryer Technology for the Forest Products Industry <ul style="list-style-type: none">■ <i>David France</i>, Argonne National Laboratory	Development of Methane de-NO_x Reburning Process for Wastewood, Sludge, and Biomass Fired Stoker Boilers <ul style="list-style-type: none">■ <i>Joseph Rabovitser</i>, Gas Technology Institute
9:15 AM	Improved Wood Properties Through Genetic Manipulation: Engineering of Syringyl Lignin in Softwood Species Through Xylem-Specific Expression of Hardwood Syringyl Monolignol Pathway Genes <ul style="list-style-type: none">■ <i>Vincent L. Chiang and Hou-Min Chang</i>, North Carolina State University	An Innovative Titania-Activated Carbon System for Removal of VOCs and HAPs from Pulp, Paper, Paperboard Mills, and Wood Products Facilities with In-Situ Regeneration Capabilities <ul style="list-style-type: none">■ <i>David W. Mazyck</i>, University of Florida
10:00 AM	Break	
10:15 AM	Performance and Value of CAD-Deficient Pine <ul style="list-style-type: none">■ <i>Bailian Li</i>, North Carolina State University	Biological Air Emissions Control for an Energy Efficient Forest Products Industry of the Future <ul style="list-style-type: none">■ <i>Kim D. Jones</i>, Texas A&M University-Kingsville■ <i>James Boswell</i>, BioReaction Industries, LLC
11:00 AM	Highly Efficient D-GLU Pulping <ul style="list-style-type: none">■ <i>Lucian A. Lucia</i>, North Carolina State University■ <i>Andrew Kulchin</i>, Evergreen Pulp	On-Line Oxidation of Volatile Compounds Generated by Sawmill Wood Kilns <ul style="list-style-type: none">■ <i>R. Arun Kumar</i>, Mississippi State University – DIAL
11:45 AM	Development and Validation of Sterility Systems for Trees <ul style="list-style-type: none">■ <i>Steven Strauss</i>, Oregon State University	Mechatronic Design and Control of a Waste Paper Sorting System for Efficient Recycling <ul style="list-style-type: none">■ <i>Richard Venditti and M.K. Ramasubramanian</i>, North Carolina State University
12:30 PM	Lunch Break – On Your Own	
1:45 PM	Lateral Corrugator: An Improved Method of Manufacturing Corrugated Boxes <ul style="list-style-type: none">■ <i>Mike Schaepe</i>, Institute of Paper Science and Technology	Rapid, Low Temperature Electron, X-Ray, and Gamma-Beam Curable Resins <ul style="list-style-type: none">■ <i>William Griffith</i>, Oak Ridge National Laboratory
2:30 PM	On-Line Fluidics Controlled Headbox <ul style="list-style-type: none">■ <i>Cyrus Aidun</i>, Institute of Paper Science and Technology	HAPs Reduction from Drying and Pressing <ul style="list-style-type: none">■ <i>Sujit Banerjee</i>, Institute of Paper Science and Technology
3:15 PM	Adjourn	